AMENDMENT TO THE CLAIMS

1.(currently amended)   A method for analyzing and debugging natural language parses, comprising the steps of:

    displaying a parse tree for a ~~sentence~~ textual input, the
        parse tree being generated based on rules and
        comprising at least one connecting point having two
        children;

    receiving control input selecting one of said connecting
        points as a selected connecting point;

    determining whether a constituent was formed at said
        selected connecting point; and

    ~~in response to determining that a constituent was formed at~~
        ~~said selected connecting point,~~ displaying a plurality
        of ~~menu~~ display items proximate to said selected
        connecting point~~.~~, the display items including
        alternate rules, other than the rules used in
        generating a constituent at the selected connecting
        point.

2. (currently amended) The method of claim 1, further comprising the step of:

receiving control input selecting one of said plurality of ~~menu~~
        display items for deleting said constituent formed at
        said selected connecting point; and

in response to receiving said control input for deleting said
        constituent, deleting said constituent.

3. (currently amended) The method of claim 2, further comprising the steps of:

    receiving control input selecting one of said plurality of
        ~~menu~~ display items for deleting said parse tree; and
      in response to receiving said control input for deleting
        said parse tree, deleting constituents formed at each

connecting point in said parse tree.

4. (currently amended) The method of claim 3, further comprising
the steps of:
　　receiving control input selecting one of said plurality of
　　　　menu~~ ~~display items for displaying information regarding
　　　　said children of said selected connecting point; and
　　displaying information regarding said children of said
　　　　selected connecting point.

5. (currently amended) The method of claim 4 wherein said step of
displaying a first plurality of menu~~ ~~display items further
comprises displaying information identifying a grammar rule
comprising one of the rules applied at said selected connecting
point to form said constituent.

6. (original)　The method of claim 1, wherein said control input
selecting one of said connecting points as a selected connecting
point comprises:
　　receiving input from an input device placing a pointer of a
　　　　user interface proximate to one of said connecting
　　　　points; and
　　receiving input representing an enabled state for the
　　　　control of the input device.

7. (original)　A computer-readable medium having computer-
executable instructions for performing the steps recited in claim
1.

8. (original) A computer-controlled apparatus for implementing
the method of claim 1.

9. (original) The method of claim 1, wherein said step of

determining whether a constituent was formed at said selected connecting point comprises determining whether a rule was successfully applied at said selected connecting point to form a constituent between said children of said selected connecting point.

10. (currently amended)A method for analyzing and debugging natural language parses, comprising the steps of:

    displaying a parse tree, generated by applying grammar rules, for ~~a sentence~~ an input text comprising at least one connecting point having two children;

    receiving control input selecting one of said connecting points as a selected connecting point;

    determining whether a constituent was successfully formed at said selected connecting point; and

    ~~in response to determining that a constituent was not successfully formed at said selected connecting point,~~ displaying a first plurality of menu items proximate to said selected connecting point~~.~~, the menu items including an alternate grammar rules display item which, when activated, displays alternate grammar rules comprising grammar rules not successfully applied in generating the parse tree.

11. (Original)The method of claim 10, further comprising the steps of:

    receiving control input selecting one of said first plurality of menu items for displaying a group of rules applied to successfully form a constituent at said selected connecting point; and

    in response to receiving user input selecting said menu item for displaying rules applied to successfully form a constituent at said selected connecting point,

displaying a second plurality of menu items proximate to said first plurality of menu items.

12.   (currently amended) The method of claim ~~11~~ 10 wherein said children comprise constituents of said selected connection point, and further comprising the steps of:

receiving control input ~~selecting one of said second plurality of menu items~~ activating the alternate grammar rules display item for displaying a group of alternate rules that ~~may be~~ were not applied at said selected connecting point but that may be applied in view of said constituents of said selected connecting point; and

displaying ~~a first~~ the group of alternate rules. ~~comprising all of the rules that may be applied at said selected connecting point in view of said constituents of said connecting point.~~

13. (currently amended) The method of claim ~~11~~ 10 wherein said children comprise constituents of said selected connecting point, and further comprising the steps of:

receiving control input ~~selecting one of said second plurality of menu items~~ activating the alternate grammar rules display item for displaying a group of alternate rules that ~~may be~~ were not applied at said selected connecting point without regard to said constituents of said selected connecting point; and

displaying ~~a second~~ the group of alternate rules. ~~comprising all of the rules that may be applied at said selected connecting point without regard to said constituents of said selected connecting point.~~

14.   (currently amended) The method of claim 13, further

comprising the steps of:

receiving control input selecting a rule from ~~one of said~~ ~~first or second groups of~~ the alternate grammar rules as a selected rule; and

applying said selected rule at said selected connecting point and updating said parse tree.

15. (Original) A computer-readable medium having computer-executable instructions for performing the steps recited in claim 14.

16. (original) A computer-controlled apparatus for implementing the method of claim 14.

17. (currently amended) The method of claim 11, further comprising the steps of:

receiving control input activating the alternate grammar rules display items ~~selecting one of said first~~ ~~plurality of menu items~~ for displaying a group of alternate rules applied at said selected connecting point that did not successfully form a constituent at said selected connecting point; and

~~in response to receiving user input selecting said menu item~~ ~~for displaying rules unsuccessfully applied at said~~ ~~selected connecting point,~~ displaying ~~a list~~ the group of alternate rules ~~that were unsuccessfully applied at~~ ~~said selected connecting point~~.

18. Canceled.

19. Canceled.

20. (Currently amended) The method of claim ~~19~~14, further

comprising the steps of:

      determining whether said application of said selected rule
          at said selected connecting point was successful; and

      in response to determining that said application of said
          selected rule was unsuccessful, displaying information
          identifying the reasons for the failure of said
          application of said selected rule.

21.   (currently amended) The method of claim ~~18~~13, further
      comprising the steps of:

      receiving control input ~~selecting~~ requesting the computation
          of the success or failure of each of said displayed
          ~~list~~ group of alternate rules;

      in response to said receiving control input requesting the
          computation of the success or failure of each of said
          displayed ~~list~~ group of alternate rules, transmitting
          each rule in said displayed ~~list~~ group of alternate
          rules to a parsing engine;

      retrieving an associated success or failure indicator for
          each of said rules in said displayed ~~list~~ group of
          alternate rules from said parsing engine; and

      displaying said success or failure indicators.

22.   (Original) A computer-readable medium having computer-
executable instructions for performing the steps recited in claim
21.

23.   (Original) A computer-controlled apparatus for implementing
the method of claim 21.

24.   <u>(currently amended)</u> A method for analyzing and debugging
natural language parses, comprising the steps of:

      <u>generating a plurality of different parse trees for a</u>

> textual input;
>
> displaying a one of the plurality of parse trees for a
>   sentence comprising at least one connecting point
>   having two children;
>
> receiving control input selecting a new parse of said
>   sentencetextual input; and
>
> in response to receiving said control input, displaying said
>   new parse of said sentence as a new parse tree.another
>   of the plurality of parse trees.

25. (currently amended) The method of claim 24, wherein wherein
said new parsethe other of the plurality of parse trees comprises
a previous one of the plurality of parse of said sentence.trees.

26. (currently amended) The method of claim 24, wherein said new
parse comprises the other of the plurality of parse trees
comprises a next one of the plurality of parse of said
sentence.trees.

27. (original) A computer-readable medium having computer-
executable instructions for performing the steps recited in claim
26.

28. (original) A computer-controlled apparatus for implementing
the method of claim 26.

29. (currently amended) A method for analyzing and debugging
natural language parses, comprising the steps of:

> displaying a parse tree for a sentence textual input
>   comprising at least one connecting point having two
>   children;
>
> receiving user control input selecting a new sentence
>   textual input to be parsed; and

in response to receiving said control input, transmitting
said new ~~sentence~~ textual input to a parsing engine;
receiving a parse of said new ~~sentence~~ textual input from
said parsing engine; and
displaying said new parse of said new ~~sentence~~ textual input
as a new parse tree.

30. (currently amended) The method of claim 29, wherein said new ~~sentence~~ textual input comprises a previous sentence in a corpus of training data.

31. (currently amended) The method of claim 29, wherein said new ~~sentence~~ textual input comprises a next sentence in a corpus of training data.

32. (New) The method of claim 1 wherein the alternate rules comprise rules unsuccessfully applied to the selected connecting point in generating the constituent.

33. (New) The method of claim 1 wherein the alternate rules comprise rules not applied to the selected connecting point in generating the constituent.